



Technical Committee 184: Industrial automation systems and integration
Subcommittee 4: Industrial data

TC 184/SC4 N923

1999-09-09

ISO MAIL Ballot Results
for
Supplementary Directives Edition 2

The ballot was circulated among SC4 members for its vote on 1999-06-04. 9 of our 17 P-members responded to the ballot:

COUNTRY	VOTE	COMMENTS
Australia		
Canada		
China		
France	A	
Germany		
Italy	A	
Japan	Y	
Korea, Rep. Of	Y	
Netherlands	Y	
Norway	Y	
Portugal		
Russia		
Spain		
Sweden		
Switzerland	A	
United Kingdom	N	Attached
United States	Y	Attached

The SC4 Secretary has reviewed the ballot responses and in consultation with the Chair has decided that the Supplementary Directives Edition 2 is approved.

This document is also available digitally through SOLIS via ftp or [www](http://www.nist.gov/sc4/ndocs/n923)
<http://www.nist.gov/sc4/ndocs/n923>

Address reply to:
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Gaithersburg, MD 20899 USA
Phone: +1-301-975-3982 Telefax: +1-301-975-4694 Email: sc4sec@cme.nist.gov url - <http://www.nist.gov/sc4/>

Ballot Comments

NOTE:

Some of these comment may have been scanned using Optical Character Recognition and have not been verified as 100% accurate. Please refer to the original hard copy in cases of irregularities.

United Kingdom

3. COMMENTS

I have reviewed the document briefly from the perspective of a user (author of Part 1), rather than the Directives and conclude that there are sufficient errors and ambiguities to mislead an editor. The general lack of quality does not send the correct message about quality to the SC4 organisation.

While recognising that this review is not as thorough as that undertaken by Julian Fowler, I hope that it provides a view from the troops.

H G Mason

ISSUE NUMBER UK-SD-1

AUTHOR: H G Mason

CLAUSE: Entire document

CLASSIFICATION: Major Editorial

DESCRIPTION:

The document does not comply with its own requirements:

The required full justification is not applied consistently

The format for lists throughout the document is inconsistent, with em dashes overlapping the text in many cases

There are often double spaces between words, leading to poor quality presentation.

ISSUE NUMBER UK-SD-2

AUTHOR: H G Mason

CLAUSE: Foreword

CLASSIFICATION: Minor Editorial

DESCRIPTION:

There is no reference to Annex D. From their content, Annexes B and D should be in the Quality manual

ISSUE NUMBER UK-SD-3

AUTHOR: H G Mason

CLAUSE: Introduction

CLASSIFICATION: Major Technical

DESCRIPTION:

States that the document is to provide methods and procedures - these are elsewhere. The reference to the 1989 Directives needs to be updated.

ISSUE NUMBER UK-SD-4

AUTHOR: H G Mason

CLAUSE: 4.1.5

CLASSIFICATION: Major Technical

DESCRIPTION:

The discussion of clauses, subclauses, subdivisions of subclauses and paragraphs is inconsistent. Subsubclauses can be further subdivided - as seen in this document.

No guidance is given for spacing on subsubclauses, and the text at the end of this subsubclause is duplicated later in 4.1.5.1

ISSUE NUMBER UK-SD-5

AUTHOR: H G Mason

CLAUSE: 4.1.5.2

CLASSIFICATION: Major Technical

DESCRIPTION:

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This definition of paragraph is not consistent with 1.5. We seem to need a hierarchy of subdivisions, leading down to a collection of one or more paragraphs. The text on legal style also applies to the subdivisions of a subsubclause.

ISSUE NUMBER UK-SD-6

AUTHOR: H G Mason

CLAUSE: 4.1.7

CLASSIFICATION: Minor Technical

DESCRIPTION:

What is an Arabic number letter?

The display of the example list does not include the required spaces.

For indentations, should we not be specifying a distance, rather than a number of spaces

ISSUE NUMBER UK-SD-7

AUTHOR: H G Mason

CLAUSE: 4.2.4.2.4 (a subsubsubsubclause?)

CLASSIFICATION: Minor Editorial

DESCRIPTION:

Leading capitals?

ISSUE NUMBER UK-SD-8

AUTHOR: H G Mason

CLAUSE: 4.3.1.3

CLASSIFICATION: Minor Editorial

DESCRIPTION:

In the second example of required text - should say

Contains provisions.....publication DO not apply...

The following paragraph suggests substitution of "publication" for "standard" - the required texts refer to publications anyway

Spacing on the examples on page 23 - lines missing between each example and start of new example

ISSUE NUMBER UK-SD-9

AUTHOR: H G Mason

CLAUSE: 4.3.2.1

CLASSIFICATION: Major Editorial

DESCRIPTION:

Each term is surely a subsubclause. Check spelling of definitions in several places

Required text under 3.2 - sub-subclause should not be hyphenated.

ARM example should be 3.2.1

ISSUE NUMBER UK-SD-10

AUTHOR: H G Mason

CLAUSE: 4.3.2.4.2

CLASSIFICATION: Major Editorial

DESCRIPTION:

Any need for subdivisions here?

ISSUE NUMBER UK-SD-11

AUTHOR: H G Mason

CLAUSE: 4.3.2.4.4

CLASSIFICATION: Minor Editorial

DESCRIPTION:

After Annex requirement, need new paragraph after reference to Part 1

ISSUE NUMBER UK-SD-12

AUTHOR: H G Mason

CLAUSE: 4.5.4.2

CLASSIFICATION: Minor Editorial

DESCRIPTION:

What about subdivisions?

ISSUE NUMBER UK-SD-13

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AUTHOR: H G Mason
CLAUSE: 4.6.2
CLASSIFICATION: Minor Editorial
DESCRIPTION:
What is "the international subcommittee"?
ISSUE NUMBER UK-SD-14
AUTHOR: H G Mason
CLAUSE: 4.11
CLASSIFICATION: Minor Editorial
DESCRIPTION:
Reference to Part should link to equivalent text in 4.6.1
ISSUE NUMBER UK-SD-15
AUTHOR: H G Mason
CLAUSE: 5.1.13
CLASSIFICATION: Minor Editorial
DESCRIPTION:
Spurious blank line in last para on p47
ISSUE NUMBER UK-SD-16
AUTHOR: H G Mason
CLAUSE: 6.5.7.1
CLASSIFICATION: Minor Editorial
DESCRIPTION:
Is Table 2 a prototype or a template - prototype implies instability
ISSUE NUMBER UK-SD-17
AUTHOR: H G Mason
CLAUSE: P59
CLASSIFICATION: Minor Editorial
DESCRIPTION:
Rules on documentation of informal propositions are formatted incorrectly
ISSUE NUMBER UK-SD-18
AUTHOR: H G Mason
CLAUSE: 8.6.1
CLASSIFICATION: Minor Editorial
DESCRIPTION:
Mapping table - the required text under Column 2 has some strange mismatched quote marks
ISSUE NUMBER UK-SD-19
AUTHOR: Julian Fowler
CLAUSE: 4.1.7
CLASSIFICATION: Major Technical
DESCRIPTION:
The format for lists described in 4.1.7 does not comply with IDP3. IDP3 permits only single-level bulleted lists, and two-level numbered lists a) and 1). QC has agreed with the ISO CS that these may be extended if no other way of documenting a part is possible. The current document has not incorporated the changes approved by SC4 approval of QC N073.
PROPOSED RESOLUTION:
Use the following text, taken from the SC4 SDs: "For single level lists, use bullets (items preceded by a long dash), or numbering (lower case alphabet characters). For two level list, use numbers (lower case alphabet characters for the first level, arabic numerals for the second level). The use of two level bullet lists, and of any list with three or more levels, is deprecated. If your document includes a three-level list, consider other possible structures such as an addition level of subclauses. If there appears to be no alternative, you should consult the Quality Committee to discuss the need for a three-level list.
ISSUE NUMBER UK-SD-20
AUTHOR: Julian Fowler
CLAUSE: 4.5.3.2, 4.5.4.2

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CLASSIFICATION: Major Technical

DESCRIPTION:

The formatting of NOTES and EXAMPLES is incorrect, both in 4.5.3.2 and 4.5.4.2 and in all the notes and examples that occur in the next. NOTES and EXAMPLES should not be indented from the margin; ISO CS has made it clear to QC that this requirement from the old IDP3 applied only to typescripts, not to camera-ready copy. Also, there should be no dash/hyphen between the note/note number and its text, or between the example/example number and its text.

PROPOSED RESOLUTION:

Make the requirements for Notes and Examples consistent with IDP3. The spacing between the "NOTE <n>" and the note text should be in the range 0.2-0.3 inches (5-8mm) and should be consistent. To avoid unnecessary white space the indentation of a numbered note need not be the same as that for an unnumbered note.

ISSUE NUMBER UK-SD-21

AUTHOR: Julian Fowler

CLAUSE: general

CLASSIFICATION: Major Technical

DESCRIPTION:

This edition of the SDs (like its predecessor) is inconsistent in its specification of layout. In numerous places white space is specified as "one blank line", "two spaces", etc. Without an accompanying specification of the line spacing and/or font size these specifications are incomplete.

PROPOSED RESOLUTION:

Use appropriate measures and units to specify layouts. For absolute measures these should be specified in as many different units as are useful to editors and stylesheet developers. I would expect that specification in mm, in and pt would all be useful. For relative measures use percentages and printers' em measures.

ISSUE NUMBER UK-SD-22

AUTHOR: Julian Fowler

CLAUSE: general

CLASSIFICATION: Major Technical

DESCRIPTION:

The contents of these Supplementary Directives may be divided into a number of categories: repetition of the requirements of IPD3, clarification or explanation of the requirements of IPD3, extensions and additions to the requirements of IPD3 and (in a few cases) divergence from the requirements of IPD3. Unless readers are very familiar with the requirements of IDP3, these cannot be distinguished.

PROPOSED RESOLUTION:

Add cross references to IPD3 for each clause/subclause of the SDs, and state (as notes) the relationship between each requirement in the SDs and IDP3.

ISSUE NUMBER UK-SD-23

AUTHOR: Julian Fowler

CLAUSE: Foreword

CLASSIFICATION: Minor Technical

DESCRIPTION:

The list of methods documents is introduced by "International Standards produced by SC4"; however, only one of these documents (the SC4 Organization Handbook) is applicable beyond ISO 10303.

PROPOSED RESOLUTION:

Split this list to identify methods documents that apply to ISO 10303 and those that apply to all of SC4.

ISSUE NUMBER UK-SD-24

AUTHOR: Julian Fowler

CLAUSE: Foreword

CLASSIFICATION: Minor Technical

DESCRIPTION:

There is no reference to the SC4 Quality Manual - this should be listed even though it is not yet formally approved.

PROPOSED RESOLUTION:

Add to list of methods documents applicable to SC4.

ISSUE NUMBER UK-SD-25

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AUTHOR: Julian Fowler

CLAUSE: Introduction

CLASSIFICATION: Minor Technical

DESCRIPTION:

Third paragraph - first sentence is untrue, this document specifies neither methods nor procedures.

PROPOSED RESOLUTION:

Delete this sentence,

ISSUE NUMBER UK-SD-26

AUTHOR: Julian Fowler

CLAUSE: Introduction

CLASSIFICATION: Editorial

DESCRIPTION:

Third paragraph - references the wrong version of IDP3.

PROPOSED RESOLUTION:

Correct to 1997 edition.

ISSUE NUMBER UK-SD-27

AUTHOR: Julian Fowler

CLAUSE: Introduction

CLASSIFICATION: Editorial

DESCRIPTION:

Fourth paragraph, fourth sentence. The wording here is poor, the terms and definitions do not "help explain the content"!

PROPOSED RESOLUTION:

Change to "clause 3 defines the terms that are used in this standing document."

ISSUE NUMBER UK-SD-28

AUTHOR: Julian Fowler

CLAUSE: Introduction

CLASSIFICATION: Editorial

DESCRIPTION:

Fifth paragraph - date and title of IDP3 are wrong.

PROPOSED RESOLUTION:

Correct to 1997, "Rules for the structure and drafting of International Standards".

ISSUE NUMBER UK-SD-29

AUTHOR: Julian Fowler

CLAUSE: 1

CLASSIFICATION: Major Technical

DESCRIPTION:

Given the large number of errors, ambiguities and inconsistencies in this document its intended role as a "quick fix" to the original ISO 10303 Supplementary Directives may not be fulfilled. Within QC's limited resources it is inappropriate to continue developing two sets of Supplementary Directives - one for ISO 10303 and one for SC4.

PROPOSED RESOLUTION:

Action for QC: produce a feasible, resourced project plan for completion of Supplementary Directives. Maintain ISO 10303/SC4 separation only if there are technical and economic justifications for doing so.

ISSUE NUMBER UK-SD-30

AUTHOR: Julian Fowler

CLAUSE: 1

CLASSIFICATION: Editorial

DESCRIPTION:

No vertical spacing between first and second paragraphs. This is one of a number points of inconsistent layout, which set a bad precedent to users of this document.

PROPOSED RESOLUTION:

Use an appropriate style sheet to enforce consistent layout and presentation. Review the document before publication with the same attention to detail as is required for standards (the review and approval procedures now specified in the SC4 Quality Manual should help with this).

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ISSUE NUMBER UK-SD-31

AUTHOR: Julian Fowler

CLAUSE: 1

CLASSIFICATION: Editorial

DESCRIPTION:

Underlining - don't we deprecate this? In terms of appearance this is very ugly, and it adds nothing to the understanding of the document.

PROPOSED RESOLUTION:

Remove underlining.

ISSUE NUMBER UK-SD-32

AUTHOR: Julian Fowler

CLAUSE: 1

CLASSIFICATION: Editorial

DESCRIPTION:

Bullet point after NOTE 1 - combines a plural subject with a singular verb.

PROPOSED RESOLUTION:

Reword as "directions for the format to be followed to create the elements that together form a standard.", i.e., removing the quotation marks. Also remove NOTE 2 (changing NOTE 1 to NOTE), citing a reference for this four-word phrase adds nothing.

ISSUE NUMBER UK-SD-33

AUTHOR: Julian Fowler

CLAUSE: 2

CLASSIFICATION: Minor Technical

DESCRIPTION:

The wrong edition of ISO 690 is listed.

PROPOSED RESOLUTION:

Correct date to 1987. Change hyphens in the title to emdashes. There is no comma preceding the "and" in the title of this standard (as in its own Title element).

ISSUE NUMBER UK-SD-34

AUTHOR: Julian Fowler

CLAUSE: 2

CLASSIFICATION: Minor Technical

DESCRIPTION:

A superseded version of AIC Guidelines is listed.

PROPOSED RESOLUTION:

Correct version is N532, 1997.

ISSUE NUMBER UK-SD-35

AUTHOR: Julian Fowler

CLAUSE: 2

CLASSIFICATION: Minor Technical

DESCRIPTION:

The date for AP Guidelines is wrong.

PROPOSED RESOLUTION:

The publication date of N535 is 1998-12-18.

ISSUE NUMBER UK-SD-36

AUTHOR: Julian Fowler

CLAUSE: 2

CLASSIFICATION: Editorial

DESCRIPTION:

The title of IDP3 is incorrect.

PROPOSED RESOLUTION:

Change to "Rules for the structure and drafting of International Standards"

ISSUE NUMBER UK-SD-37

AUTHOR: Julian Fowler

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CLAUSE: 2

CLASSIFICATION: Editorial

DESCRIPTION:

If COED is to be listed as a normative reference, its full bibliographic details should be cited.

PROPOSED RESOLUTION:

Change to: THOMPSON, Della (ed). The Concise Oxford English Dictionary of Current English. 9th ed. Oxford : Oxford University Press, 1995. (This assumes that the 9th edition is still that required by ISO - a 10th edition has been published in July 1999, and QC has requested clarification from ISO CS regarding the appropriate edition to use.)

ISSUE NUMBER UK-SD-38

AUTHOR: Julian Fowler

CLAUSE: 3.2

CLASSIFICATION: Editorial

DESCRIPTION:

The introductory wording is for multiple definitions.

PROPOSED RESOLUTION:

Change "terms .. apply" to "term .. applies"

ISSUE NUMBER UK-SD-39

AUTHOR: Julian Fowler

CLAUSE: 4

CLASSIFICATION: Major Technical

DESCRIPTION:

IDP3 now includes (Table 2) a more detailed version of Table 1 here.

PROPOSED RESOLUTION:

Delete Table 1 completely, replacing by a reference to Table 2 in IDP3 with narrative text stating any additional or modified requirements that apply to ISO 10303.

ISSUE NUMBER UK-SD-40

AUTHOR: Julian Fowler

CLAUSE: 4

CLASSIFICATION: Editorial

DESCRIPTION:

The paragraph following Table 1 is stating facts about the document but uses requirements language.

PROPOSED RESOLUTION:

Change "All required text shall begin .. and shall end with .." to "All required text begins with .. and ends with .."

ISSUE NUMBER UK-SD-41

AUTHOR: Julian Fowler

CLAUSE: 4

CLASSIFICATION: Editorial

DESCRIPTION:

Last paragraph - by agreement with whom?

PROPOSED RESOLUTION:

Change to "SC4 has agreed with the ISO Central Secretariat that ..".

ISSUE NUMBER UK-SD-42

AUTHOR: Julian Fowler

CLAUSE: 4.1

CLASSIFICATION: Major Technical

DESCRIPTION:

There are major differences between the layout and font requirements described here and those specified by ISO CS in their Word templates. The recent example of CS's reformatting of the DIS of 10303-43 2nd edition illustrates the problems that can arise from this. The typographic requirements of the SDs need improvement, without doubt. Unfortunately ISO CS's preferred style is *far* worse than that of the SDs.

PROPOSED RESOLUTION:

SC4 (and QC in particular) needs to enter into dialogue with ISO CS to determine whether an improved version

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of the current SD typographic requirements are acceptable, or whether we need to enforce the ISO requirements through the SDs. If SC4 is going to maintain a set of requirements for layout and font that is different from ISO's, then the SDs (and other standing documents) need to enforce a procedure that *only* PDF files are delivered to ISO, so that they have no opportunity to reformat them.

ISSUE NUMBER UK-SD-43

AUTHOR: Julian Fowler

CLAUSE: 4.1.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

The use of the same font size for different heading levels makes the resulting documents more difficult to read.

PROPOSED RESOLUTION:

Use different font sizes for different levels of clause heading, e.g., 14pt for clause, 12pt for subclause, 11pt for subsubclause and below.

ISSUE NUMBER UK-SD-44

AUTHOR: Julian Fowler

CLAUSE: 4.1.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

The specified font sizes for EXPRESS-G diagrams are the wrong way round.

PROPOSED RESOLUTION:

Change to 10pt or 11pt for entity data type names, 8pt or 9pt for attribute names. Use of the smaller point sizes should be restricted to those cases where

11pt/9pt makes it difficult to fit a given diagram onto a single page.

ISSUE NUMBER UK-SD-45

AUTHOR: Julian Fowler

CLAUSE: 4.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

Requirements for page layout are distributed across several subclauses.

PROPOSED RESOLUTION:

Introduce a new subclause to deal specifically with page layout, i.e., margins, header/footer placement, etc.

ISSUE NUMBER UK-SD-46

AUTHOR: Julian Fowler

CLAUSE: 4.1.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

The spacing of the horizontal lines above/below the "special" header for page 1 is not specified.

PROPOSED RESOLUTION:

State the required spacing: I suggest that this should be 24pt.

ISSUE NUMBER UK-SD-47

AUTHOR: Julian Fowler

CLAUSE: 4.1.5

CLASSIFICATION: Minor Technical

DESCRIPTION:

There is no specification of the white space that separates sentences within a paragraph. Some editors insert two spaces; others one. With justified text two spaces can introduce unacceptably large whitespace.

PROPOSED RESOLUTION:

Add a requirement that sentences within a paragraph should be separated by one space.

ISSUE NUMBER UK-SD-48

AUTHOR: Julian Fowler

CLAUSE: 4.1.5

CLASSIFICATION: Minor Technical

DESCRIPTION:

The DESCRIPTION of the rules to handle page breaks (paragraph 3) seem to be specific to some tools

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(WordPerfect?). Use of effective stylesheets in Word and (I assume) SGML or LaTeX environments should handle this automatically.

PROPOSED RESOLUTION:

State the requirement in a tool-independent manner. If tool-specific instructions are needed, provide these in an (informative?) annex.

ISSUE NUMBER UK-SD-49

AUTHOR: Julian Fowler

CLAUSE: 4.1.5

CLASSIFICATION: Minor Technical

DESCRIPTION:

The specification of line spacing and paragraph spacing is not sufficiently precise.

PROPOSED RESOLUTION:

State these requirements using precise typographical terms. If necessary, add tool-specific instructions in an (informative?) annex.

ISSUE NUMBER UK-SD-50

AUTHOR: Julian Fowler

CLAUSE: 4.1.5.1

CLASSIFICATION: Editorial

DESCRIPTION:

Note 1 is unnecessary - IDP3 no longer restricts the "depth" of subclauses

PROPOSED RESOLUTION:

Delete NOTE 1

ISSUE NUMBER UK-SD-51

AUTHOR: Julian Fowler

CLAUSE: 4.1.5.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

Third paragraph. The requirement for two spaces separating the clause number and the clause title is difficult (if not actually impossible) to achieve in Word.

PROPOSED RESOLUTION:

Specify acceptable white space as a range, and provide instructions for achieving this. In Word, for example, the heading styles assume the use of tabs to set this spacing.

ISSUE NUMBER UK-SD-52

AUTHOR: Julian Fowler

CLAUSE: 4.1.5.1

CLASSIFICATION: Editorial

DESCRIPTION:

This clause refers to a "." as both a "full stop" and as a "period".

PROPOSED RESOLUTION:

COED notes this use of the word "period" as being N. Amer. in origin, which suggests that "full stop" should be preferred.

ISSUE NUMBER UK-SD-53

AUTHOR: Julian Fowler

CLAUSE: 4.1.5.1

CLASSIFICATION: Editorial

DESCRIPTION:

The first bullet point on page 10 repeats the first sentence of the third paragraph of this clause.

PROPOSED RESOLUTION:

Delete the first sentence of the third paragraph.

ISSUE NUMBER UK-SD-54

AUTHOR: Julian Fowler

CLAUSE: 4.1.5.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

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The need for manual control over pages breaks and widows/orphans should not be necessary if appropriate style sheet(s) are used.

PROPOSED RESOLUTION:

At a minimum, change the NOTE as follows. "The requirement to avoid widows and orphans can normally be satisfied using appropriate settings in a style sheet. If any manual insertion of page breaks is necessary to meet this requirement, the editor should do so immediately prior to release for ballot".

ISSUE NUMBER UK-SD-55

AUTHOR: Julian Fowler

CLAUSE: Foreword/Introduction

CLASSIFICATION: Major Technical

DESCRIPTION:

Neither the Foreword nor the Introduction states the intended reader/user of this document.

PROPOSED RESOLUTION:

Add a statement (probably in the Introduction) that this document provides detailed instructions to be followed by editors of ISO 10303 documents, and by developers of DTDs, style sheets, templates etc. to be used in the creation and editing of ISO 10303 documents.

ISSUE NUMBER UK-SD-56

AUTHOR: Julian Fowler

CLAUSE: General

CLASSIFICATION: Major Technical

DESCRIPTION:

By following "standards-style" language (use of passive voice, etc.) it is often unclear to whom the requirements or instructions specified here apply.

PROPOSED RESOLUTION:

Recognize that this document is a set of rules and instructions, not a standard. Revise the wording of the document to be in a more direct style, e.g., "The editor of the document shall .." or, even more directly, e.g., "Use an 11pt serif font such as Times New Roman or Computer Modern for all body text paragraphs."

ISSUE NUMBER UK-SD-57

AUTHOR: Julian Fowler

CLAUSE: 4.1.2

CLASSIFICATION: Major Technical

DESCRIPTION:

This list of acceptable word processors is out of date/incomplete.

PROPOSED RESOLUTION:

Add (at least) WordPerfect 7, WordPerfect 8 (is this the latest version?), Word 8.0/97. The possible use of HTML with Cascading Style Sheets and XML/XSL needs to be identified together with any applicable constraints. For SGML, are there any DTDs that should be specified as required or available for use?

ISSUE NUMBER UK-SD-58

AUTHOR: Julian Fowler

CLAUSE: 4.1.2

CLASSIFICATION: Major Technical

DESCRIPTION:

Based on recent feedback from ISO CS and discussion with QC and several WGs, the minimal reference to the use of PDF here is insufficient.

PROPOSED RESOLUTION:

Include (possibly by reference) detailed instructions for the preparation of PDF files that meet the requirements of the ISO Central Secretariat.

ISSUE NUMBER UK-SD-59

AUTHOR: Julian Fowler

CLAUSE: 4.1.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

The ISO CS Word template has the copyright statement as , ISO yyyy - All rights reserved in the page footer, opposite the page number. Also, ISO's recent imposition of copyright on WD and CD documents as well as DIS

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and above means that this should be present on all documents, not just DIS/FDIS/IS.

PROPOSED RESOLUTION:

Change to layout as per ISO CS template.

ISSUE NUMBER UK-SD-60

AUTHOR: Julian Fowler

CLAUSE: 4.1.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

It is useful - at least for working documents - to include the N-number on each page of the document.

PROPOSED RESOLUTION:

Permit documents to include the WG N-number in the page header (if previous issue to move copyright is accepted) or the page footer. QC should consider whether this should be restricted to non-ballot documents, or whether it is appropriate to include this for all documents pre-IS. My preference is for the latter.

ISSUE NUMBER UK-SD-61

AUTHOR: Julian Fowler

CLAUSE: 4.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

The ISO 10303 cover page is substantially different from that used by ISO CS (as included in the ISO CS Word templates). However, the ISO 10303 cover page does include useful information (such as PL and PE name and contact details) that the ISO CS cover page omits. Also, the ISO CS format has the required copyright statement on a second page, making the table of contents start on Page iii. It is noticeable from some recent ballots that ISO CS has *added* their cover page, rather than substituting it for SC4's - thus making reversing all the recto/verso pages in double-sided copies.

PROPOSED RESOLUTION:

QC should review requirements for the cover page. For ISO 15926 we have used a cover page that combines elements of both the ISO 10303 and ISO CS formats. Use of the reverse of the cover page for copyright information also eliminates the need to use very small text to fit this into the STEP format!

ISSUE NUMBER UK-SD-62

AUTHOR: Julian Fowler

CLAUSE: 4.2.2

CLASSIFICATION: Editorial

DESCRIPTION:

The name of this element is "table of contents". The first paragraph of this clause also states a fact as a subsidiary requirement.

PROPOSED RESOLUTION:

Change wording to, e.g.: "Each part of ISO 10303 shall contain a table of contents that begins with ..".

ISSUE NUMBER UK-SD-63

AUTHOR: Julian Fowler

CLAUSE: 4.2.2

CLASSIFICATION: Editorial

DESCRIPTION:

Third paragraph - wording assumes that there is a Bibliography.

PROPOSED RESOLUTION:

Change wording to: "If the document includes a Bibliography, list this in the table of contents and include the number of the page on which the Bibliography begins." (A similar change to the latter part of this sentence needs to be made for the Index, and anywhere else that suggests that an elements begins on a page number rather than on a page.)

ISSUE NUMBER UK-SD-64

AUTHOR: Julian Fowler

CLAUSE: 4.2.2

CLASSIFICATION: Editorial

DESCRIPTION:

Note 1 is not true!

Address reply to:

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Building 220, Room A127

Gaithersburg, MD 20899 USA

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PROPOSED RESOLUTION:

Indentation of the TOC entries in this document is considerably more than 2 spaces.

ISSUE NUMBER UK-SD-65

AUTHOR: Julian Fowler

CLAUSE: 4.2.2

CLASSIFICATION: Editorial

DESCRIPTION:

The requirements for indentation of TOC entries are too precise. There are no stated requirements for line spacing within the TOC.

PROPOSED RESOLUTION:

Provide all necessary requirements with ranges of permitted values. I suggest that there should be a space of approximately one line before the TOC entry for each clause, and approximately 0.5 line before reach subclause entry. Entries for subsubclauses etc. should have no additional linespace. Entries for clauses should not be indented. Entries for subclauses should be indented 0.2 - 0.3 inches. Entries for subclauses should be further indented by the same distance, etc.

ISSUE NUMBER UK-SD-66

AUTHOR: Julian Fowler

CLAUSE: 4.2.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

Examination of some recently published ISO standards shows that the copyright notice on the first TOC page includes X.400 and Internet (WWW) addresses, and omits the "Printed in Switzerland" line.

PROPOSED RESOLUTION:

Clarify with ISO CS and modify accordingly.

ISSUE NUMBER UK-SD-67

AUTHOR: Julian Fowler

CLAUSE: 4.2.3.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

The boilerplate text for the Foreword still includes the introductory sentence for the list of parts (no longer included).

PROPOSED RESOLUTION:

Delete the requirement to include "ISO 10303 consists of the following parts .." (4th paragraph on page 15).

ISSUE NUMBER UK-SD-68

AUTHOR: Julian Fowler

CLAUSE: 4.2.3

CLASSIFICATION: Major Technical

DESCRIPTION:

The boilerplate for the Foreword has the part series identified twice.

PROPOSED RESOLUTION:

Delete the requirement to include: "The structure of this International Standard .." to ".. will follow the same numbering pattern."

ISSUE NUMBER UK-SD-69

AUTHOR: Julian Fowler

CLAUSE: 4.2.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

It is insufficient that the Introduction should use the same DESCRIPTION as the scope clause.

PROPOSED RESOLUTION:

Change to ".. use the same wording as the Scope clause."

ISSUE NUMBER UK-SD-70

AUTHOR: Julian Fowler

CLAUSE: 4.2

CLASSIFICATION: Minor Technical

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DESCRIPTION:

It is useful to be able to include information in the Introduction describing editorial or typographical conventions used in the document - see the second editions of ISO 10303-41, -43, -44 and the CD of ISO 15926-1 for examples.

PROPOSED RESOLUTION:

Add a new subclause (4.2.5?) to cover this possibility.

ISSUE NUMBER UK-SD-71

AUTHOR: Julian Fowler

CLAUSE: 4.2.3, 4.2.4

CLASSIFICATION: Major Technical

DESCRIPTION:

There is no prescription of required text in the Foreword and Introduction of Technical Corrigenda.

PROPOSED RESOLUTION:

Add as necessary, based on existing work in WG12 etc.

ISSUE NUMBER UK-SD-72

AUTHOR: Julian Fowler

CLAUSE: 4.2.3, 4.2.4

CLASSIFICATION: Major Technical

DESCRIPTION:

There is no prescription of required text in the Foreword and Introduction of Amendments.

PROPOSED RESOLUTION:

Add as necessary, based on existing work in WG11 etc.

ISSUE NUMBER UK-SD-73

AUTHOR: Julian Fowler

CLAUSE: 4.2.3, 4.2.4

CLASSIFICATION: Major Technical

DESCRIPTION:

There is no prescription of required text in the Foreword and Introduction of Publicly Available Specifications.

PROPOSED RESOLUTION:

Add as necessary, based on information available from ISO CS and previously circulated within QC (see http://www.pdtsolutions.co.uk/standard/qc/sdtiger/TS_PAS_foreword.html).

ISSUE NUMBER UK-SD-74

AUTHOR: Julian Fowler

CLAUSE: 4.2.3, 4.2.4

CLASSIFICATION: Major Technical

DESCRIPTION:

There is no prescription of required text in the Foreword and Introduction of Technical Specifications.

PROPOSED RESOLUTION:

Add as necessary, based on information available from ISO CS and previously circulated within QC (see http://www.pdtsolutions.co.uk/standard/qc/sdtiger/TS_PAS_foreword.html).

ISSUE NUMBER UK-SD-75

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

The character that separates the elements of the title is an emdash, not a hyphen.

PROPOSED RESOLUTION:

Correct the boilerplate text, and change "long dash" to "emdash" in the paragraph following the example on page 21. It may be useful to add a glossary of typographical terms such as "emdash".

ISSUE NUMBER UK-SD-76

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

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NOTE on page 22 - is this true? Based on documents recently circulated for ballot, AP and IR parts seem to have Scope statements that are between 1.5 and 3 pages long. I would expect some APs to have more scoping information

PROPOSED RESOLUTION:

Change the note to "Scope clauses are typically between one and three pages long."

ISSUE NUMBER UK-SD-77

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

The statement about referencing of WDs and CDs (second paragraph on page 23) is misleading. The first statement should be that DIS, FDIS and IS documents can only normatively reference documents that are DIS or higher. It also needs to be clarified that (for example) a DIS can include a normative reference to another DIS even if the latter is not yet published, as long as there is an expectation that both documents will be registered for DIS at the same time.

PROPOSED RESOLUTION:

Reword this paragraph to clarify.

ISSUE NUMBER UK-SD-78

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.3

CLASSIFICATION: Editorial

DESCRIPTION:

The case of the elements in the citation of ISO 8824-1 is incorrect

PROPOSED RESOLUTION:

According to the ISO catalog the correct capitalization of the title is "Information technology -- Abstract Syntax Notation One (ASN.1): Specification of basic notation".

ISSUE NUMBER UK-SD-79

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.3

CLASSIFICATION: Editorial

DESCRIPTION:

The date and title of ISO 690 in the example on page 23 is wrong.

PROPOSED RESOLUTION:

Correct: "ISO 690:1987, Documentation -- Bibliographic references -- Content, form and structure"

ISSUE NUMBER UK-SD-80

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.3

CLASSIFICATION: Editorial

DESCRIPTION:

In all the examples of normative references, hyphens are used to separate the title elements.

PROPOSED RESOLUTION:

Change hyphen to embash in all examples of normative references.

ISSUE NUMBER UK-SD-81

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.3

CLASSIFICATION: Editorial

DESCRIPTION:

It is difficult to distinguish the examples from the normative text.

PROPOSED RESOLUTION:

Make a clearer separation. Could we introduce a convention throughout the SDs that examples are enclosed in boxes, or some other *very* clear distinction from other text?

ISSUE NUMBER UK-SD-82

AUTHOR: Julian Fowler

CLAUSE: 4.3.1.3

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CLASSIFICATION: Editorial

DESCRIPTION:

In the example normative reference for Part 45, the emdash standing for the year of publication has been superscripted.

PROPOSED RESOLUTION:

Change to normal font and position.

ISSUE NUMBER UK-SD-83

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

The boilerplate for the subclause 3.1 and 3.2 headings is wrong. There should *not* be a carriage return between the clause number and the clause title (these are "normal" subclause headings)

PROPOSED RESOLUTION:

Format as normal subclause headings.

ISSUE NUMBER UK-SD-84

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Editorial

DESCRIPTION:

The boilerplate text for 3.1 Terms defined in ISO 10303 should end with a colon, not a full stop.

PROPOSED RESOLUTION:

Correct.

ISSUE NUMBER UK-SD-85

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Editorial

DESCRIPTION:

Last line of page 25 - the old requirement to include defined terms in the TOC has not been changed.

PROPOSED RESOLUTION:

Change "The words .. and their numbers shall appear .." to "The terms .. shall not appear .."

ISSUE NUMBER UK-SD-86

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Editorial

DESCRIPTION:

There are a number of spelling mistakes/typos in this clause, e.g., "definitiom" (last piece of boilerplate on page 25), "definitoins" (first line of page 26).

PROPOSED RESOLUTION:

Correct spelling/typing errors.

ISSUE NUMBER UK-SD-87

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

This clause does not mention that defined terms are listed in the Annex.

PROPOSED RESOLUTION:

Add the following sentence to the last paragraph on page 25. "The terms defined in this subclause shall appear in the Index."

ISSUE NUMBER UK-SD-88

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

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The last paragraph on page 25 is inconsistent with IDP3. C.3.2 in the latter document states explicitly that definitions shall not end with a full stop.

PROPOSED RESOLUTION:

Change text to match that in IDP3.

ISSUE NUMBER UK-SD-89

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

Definitions can be adapted from other standards in the sense that the wording of a definition may be changed to match other terminology.

PROPOSED RESOLUTION:

Allow for this case, where there will be a note stating "Adapted from ISO sssss-pp.". If this standard is not otherwise normatively referenced (i.e., listed in clause 3) it shall be listed in the Bibliography.

ISSUE NUMBER UK-SD-90

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

I believe that there is a QC convention that introduction of synonyms is deprecated.

PROPOSED RESOLUTION:

Either confirm that listing of synonyms in definitions in ISO 10303 is allowed, or remove this requirement.

ISSUE NUMBER UK-SD-91

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

There are circumstances where a term has a definition that is different from that of the same term used in a related domain (e.g., the definition of "application protocol" in ISO 10303-1 differs from that in OSI). When this occurs it is useful to state the divergence in a NOTE.

PROPOSED RESOLUTION:

Add appropriate text.

ISSUE NUMBER UK-SD-92

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

Why are "2D" and "3D" given? Now that STEP extends well beyond applications that deal with geometry and draughting, maybe it should not be assumed that these will be familiar to all potential readers/implementors of ISO 10303 parts.

PROPOSED RESOLUTION:

Remove 2D and 3D from the list.

ISSUE NUMBER UK-SD-93

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

The fact that an annex is normative is also indicated in its table of contents listing.

PROPOSED RESOLUTION:

Change to: "... indication in the table of contents and in the heading of the annex itself."

ISSUE NUMBER UK-SD-94

AUTHOR: Julian Fowler

CLAUSE: 4.3.2.4.4

CLASSIFICATION: Editorial

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DESCRIPTION:

This subclause appears to be in the middle of 4.3.2.4.3

PROPOSED RESOLUTION:

Move to follow the last paragraph of the DESCRIPTION of the Information object registration annex.

ISSUE NUMBER UK-SD-95

AUTHOR: Julian Fowler

CLAUSE: 4.4.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

The requirement for Bibliography entries is that they conform to ISO 690 or to ISO 690-2 (for electronic documents). This is not mentioned in the text.

PROPOSED RESOLUTION:

Add a paragraph at the start of this subclause stating the dependency on ISO 690 and 690-2, and explaining that what follows is a summary of the requirements that apply to ISO 690. Add ISO 690-2 to the normative references clause.

ISSUE NUMBER UK-SD-96

AUTHOR: Julian Fowler

CLAUSE: 4.4.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

The example in the middle of page 30 is not complete.

PROPOSED RESOLUTION:

Complete all the Bibliography entries and format them according to the SD requirements.

ISSUE NUMBER UK-SD-97

AUTHOR: Julian Fowler

CLAUSE: 4.5.1.2.3, 4.5.2.2.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

I do not understand why the same size of font is used for figure and table captions as for clause headings.

PROPOSED RESOLUTION:

Change the requirement to 11pt bold.

ISSUE NUMBER UK-SD-98

AUTHOR: Julian Fowler

CLAUSE: 4.5.1.2.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

The separator between the number and title of a Table in its caption should be a dash (endash), not a hyphen.

PROPOSED RESOLUTION:

Correct this in the second line of 4.5.1.2.3 and in the examples.

ISSUE NUMBER UK-SD-99

AUTHOR: Julian Fowler

CLAUSE: 4.5.2.2.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

The separator between the number and title of a Figure in its caption should be a dash (endash), not a hyphen.

PROPOSED RESOLUTION:

Correct this in the third line of 4.5.2.2.3 and in the examples.

ISSUE NUMBER UK-SD-100

AUTHOR: Julian Fowler

CLAUSE: 4.5.3.2, 4.5.4.2

CLASSIFICATION: Major Technical

DESCRIPTION:

The requirement to use hyphens in notes and examples is inconsistent with IDP3.

PROPOSED RESOLUTION:

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Email: sc4sec@cme.nist.gov

url - <http://www.nist.gov/sc4/>

Remove the reference to hyphens. The requirement is that there should be a space of between 0.2 and 0.3 inches between NOTE (or NOTE n) and the text of the note.

ISSUE NUMBER UK-SD-101

AUTHOR: Julian Fowler

CLAUSE: 4.5.3.2, 4.5.3.2

CLASSIFICATION: Major Technical

DESCRIPTION:

The requirement to indent notes and examples is inconsistent with IDP3 - ISO CS has explained that this was a requirement in the 1989 edition of IDP3 *only* for typescripts, not for camera-ready copy.

PROPOSED RESOLUTION:

Change these subclauses to state that notes and examples shall be flush with the left margin.

ISSUE NUMBER UK-SD-102

AUTHOR: Julian Fowler

CLAUSE: 4.5.3.2, 4.5.4.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

If a NOTE or EXAMPLE occurs in the middle of a list, and is linked to the item in the list that precedes it, should it be indented to match the list?

PROPOSED RESOLUTION:

QC to discuss.

ISSUE NUMBER UK-SD-103

AUTHOR: Julian Fowler

CLAUSE: 4.6.2, 4.6.3

CLASSIFICATION: Minor Technical

DESCRIPTION:

These two subclauses repeat material that is already IDP3 (6.6.6, etc.)

PROPOSED RESOLUTION:

Replace by a reference to IDP3.

ISSUE NUMBER UK-SD-104

AUTHOR: Julian Fowler

CLAUSE: 4.8.5

CLASSIFICATION: Minor Technical

DESCRIPTION:

In some style guides the use of "e.g." and "i.e." is deprecated - "for example" and "that is" may be more better alternatives.

PROPOSED RESOLUTION:

QC to discuss.

ISSUE NUMBER UK-SD-105

AUTHOR: Julian Fowler

CLAUSE: 4.8.5

CLASSIFICATION: Minor Technical

DESCRIPTION:

No guidance is given with respect to the use of "etc.". Some style guides deprecate the use of this.

PROPOSED RESOLUTION:

QC to discuss. My proposal is to deprecate the use of "etc." and to require that non-exhaustive lists are introduced by "including:" or "such as:".

ISSUE NUMBER UK-SD-106

AUTHOR: Julian Fowler

CLAUSE: 4.8.7

CLASSIFICATION: Minor Technical

DESCRIPTION:

Editors often have easier access to (or chose to use) the spell check facilities of their favourite word processor or document preparation system. Very few of these actually conform to COED, even in their "British English" settings. This is particularly true of MS-Word, which insists, for example, in the use of the 's' forms of words

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like organization.

PROPOSED RESOLUTION:

Include a NOTE stating that spelling checkers associated with word processing programs rarely have all the correct/preferred COED spellings. The COED 9th edition is available electronically - this could be listed in the Bibliography.

ISSUE NUMBER UK-SD-107

AUTHOR: Julian Fowler

CLAUSE: 4.8.7

CLASSIFICATION: Minor Technical

DESCRIPTION:

What is the correct spelling of coordinate/co-ordinate? COED has the latter, but some spell checkers insist on the hyphen.

PROPOSED RESOLUTION:

Add coordinate to the list.

ISSUE NUMBER UK-SD-108

AUTHOR: Julian Fowler

CLAUSE: 4.10

CLASSIFICATION: Minor Technical

DESCRIPTION:

The deprecation of "datums" may not apply in all circumstances - there are application domains (and other International Standards) that use "datums". The datum (singular) / data (plural) distinction is almost becoming archaic. COED 9th edition states that data is "also treated as singular, although the singular form is strictly datum" (it will be interesting to see if this has been revised in the 10th edition). However, COED does not list datums as an acceptable plural for data.

PROPOSED RESOLUTION:

If a project can cite another ISO standard, or a broadly accepted terminology for a given domain, in which "datums" is used as the plural for a specific meaning of "datum", then this should be allowed as an alternative to terminology and/or artificial forms of wording that domain experts may not understand,

ISSUE NUMBER UK-SD-109

AUTHOR: Julian Fowler

CLAUSE: 5.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

Third paragraph - the terms used here ("block protection", "conditional end of page") are not familiar to me -- are these WordPerfect specific.

PROPOSED RESOLUTION:

State the requirements in a tool-independent manner. If necessary add an (informative?) annex giving instructions on the use of specific tools.

ISSUE NUMBER UK-SD-110

AUTHOR: Julian Fowler

CLAUSE: 5.2.2

CLASSIFICATION: Minor Technical

DESCRIPTION:

What is an "identifier name" as distinct from an "identifier" or a "name".

PROPOSED RESOLUTION:

Use Part 11's terminology.

ISSUE NUMBER UK-SD-111

AUTHOR: Julian Fowler

CLAUSE: 5.2.2.2 and others

CLASSIFICATION: Minor Technical

DESCRIPTION:

The thing that is specified in an ENTITY declaration is an entity data type, not an "entity". EXPRESS 1 unfortunately uses very ill-thought terminology here - I do not want it repeated here, especially as the correct terminology is being used in EXPRESS 2.

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PROPOSED RESOLUTION:

Change uses of "entity" and "entities" to "entity data type" and "entity data types" as appropriate.

ISSUE NUMBER UK-SD-112

AUTHOR: Julian Fowler

CLAUSE: 5.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

First bullet point on page 52 does not reflect convention to omit symbols for label, text and identifier types as well as base types.

PROPOSED RESOLUTION:

Extend this bullet point to allow suppression of the type symbols for the three types defined in the support_resources schema of ISO 10303-41.

ISSUE NUMBER UK-SD-113

AUTHOR: Julian Fowler

CLAUSE: 6.5.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

The draft SC4 Quality Manual includes procedures for validation of EXPRESS schemas,

PROPOSED RESOLUTION:

Add a NOTE referencing the relevance clause(s) of the QM.

ISSUE NUMBER UK-SD-114

AUTHOR: Julian Fowler

CLAUSE: 6.5.3 etc

CLASSIFICATION: Major Technical

DESCRIPTION:

It will be much easier to document and to reference declarations of EXPRESS entity data types if the sections of these are introduced as subclauses, rather than by underlined text.

PROPOSED RESOLUTION:

Change the requirements so that EXPRESS specification, Attribute definitions, Formal propositions and Informal propositions are all numbered subclauses.

ISSUE NUMBER UK-SD-115

AUTHOR: Julian Fowler

CLAUSE: 6.5.6, 6.5.7.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

ISO CS has granted an exception to the requirements of IDP3 that allows for "singleton" subclauses in the context of EXPRESS schema declarations.

PROPOSED RESOLUTION:

Delete the third bullet point of 6.5.6 and of 6.5.7.1

ISSUE NUMBER UK-SD-116

AUTHOR: Julian Fowler

CLAUSE: 6.5.7.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

I agree with the requirement as stated in the fourth bullet point; however, this does not reflect current practice which is to document the entity data type rather than the concept it represents. Thus we see: "A <bold>entity_data_type_name</bold> is .." as a shorthand for "The <bold>entity_data_type_name</bold> entity data type represents. There are circumstances where the edt name translates readily into natural language, allowing "A <entity data type name> is .."; however, there are many cases in the IRs where this is not possible.

PROPOSED RESOLUTION:

QC to discuss and develop more detailed recommendations for wording form of edt definitions in IRs and other parts that include EXPRESS.

ISSUE NUMBER UK-SD-117

AUTHOR: Julian Fowler

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CLAUSE: 6.6.1.2

CLASSIFICATION: Major Technical

DESCRIPTION:

The use of zero or -1 values in ASN.1 identifiers is invalid.

PROPOSED RESOLUTION:

This has been discussed at length in QC and WG12: 0 or -1 have no meaning in ASN.1 identifiers. The work that Neal Laurance and Greg Paul have done in this area is included in the draft SC4 SDs - this should be incorporated into the ISO 10303 SDs.

ISSUE NUMBER UK-SD-118

AUTHOR: Julian Fowler

CLAUSE: 6.6.3.1

CLASSIFICATION: Minor Technical

DESCRIPTION:

Has this provision ever been used?

PROPOSED RESOLUTION:

If there is no requirement for this, delete it.

ISSUE NUMBER UK-SD-119

AUTHOR: Julian Fowler

CLAUSE: 6.6.3.2

CLASSIFICATION: Editorial

DESCRIPTION:

The positioning of this in the subclause structure suggests that the Bibliography is an Annex.

PROPOSED RESOLUTION:

Make this 6.7 and renumber 6.7 to 6.8.

ISSUE NUMBER UK-SD-120

AUTHOR: Julian Fowler

CLAUSE: 8.4

CLASSIFICATION: Minor Technical

DESCRIPTION:

I don't understand why all of these terms have to be included. Surely there should be condition here that the listed terms should be referenced *if they are used in the text of the AP*. I recognize that most of them probably will be, but I don't like the idea of incorporating or referencing definitions "by rote".

PROPOSED RESOLUTION:

Add "if they are used in the AP document" at the end of the sentence introducing the list.

ISSUE NUMBER UK-SD-121

AUTHOR: Julian Fowler

CLAUSE: 8.5

CLASSIFICATION: Major Technical

DESCRIPTION:

There is a major issue here that goes beyond Supplementary Directives and addresses (at least) AP Guidelines as well. In both methods documents the requirements for the ARM and clause 4.2 assume the original (and still the only "official") STEP AP Architecture, i.e., that clause 4 defines requirements in terms of the things that domain experts are interested and the information that is associated with those things, where these are described using the terminology of the domain. The role of the ARM diagrams is to assist in the understanding of those requirements. For most current APs, however, clause 4.2 and the ARM diagram (together, increasingly, with EXPRESS schema declarations) present a *solution* to some set of requirements in the form of a fully detailed and analyzed data structure specification. Thus we end up with application objects that are almost completely *unrelated* to the interests or terminology of the domain. For example, we get "thing" (now renamed "application_object"!!) in AP221, "item" and "definition" in the Ship APs, etc. With the benefit of 20:20 hindsight I believe that we (SC4) should never have allowed this situation to come about - projects should have been required to follow the AP methodology as-defined or raise issues against the methodology. Projects should not have been able to "do their own thing". However, given what has happened over recent years there maybe a need to recognize the approach of having what are in effect two data structure specifications - one called ARM, and one called AIM - *both* of which are solutions to some now un-stated or partially-stated set of

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application/domain requirements. If that *is* the accepted way of developing and documenting APs, then it should be accurately documented and described in the SDs, AP Guidelines and elsewhere, so that more appropriate quality assessment metrics can be documented and applied.

PROPOSED RESOLUTION:

QC to discuss!

ISSUE NUMBER UK-SD-122

AUTHOR: Julian Fowler

CLAUSE: 8.5.2.2

CLASSIFICATION: Editorial

DESCRIPTION:

Immediately before the boilerplate text it is stated "indented here to distinguish it from other text", whereas the text is delimited by [ISO 10303 required] and [required].

PROPOSED RESOLUTION:

Remove the reference to indentation.

ISSUE NUMBER UK-SD-123

AUTHOR: Julian Fowler

CLAUSE: 9

CLASSIFICATION: Major Technical

DESCRIPTION:

This clause was left unfinished in SC4 N537 because the ATS Guidelines were not complete. Now that ATS Guidelines do exist (and are listed in the Normative references) there is no reason for a complete statement of format requirements on ATS to be included here.

PROPOSED RESOLUTION:

Include detailed requirements for ATS, either explicitly or by reference to ATS Guidelines.

ISSUE NUMBER UK-SD-124

AUTHOR: Julian Fowler

CLAUSE: Annex A

CLASSIFICATION: Minor Technical

DESCRIPTION:

The required "Comments to reader" for ballot documents is no longer valid - QC no longer reviews or signs off on documents.

PROPOSED RESOLUTION:

Replace by checkboxes etc. to indicate completion of internal review, project leader review, and convener review, specifying the N-number of the completed checklists or reports.

ISSUE NUMBER UK-SD-125

AUTHOR: Julian Fowler

CLAUSE: Annex D

CLASSIFICATION: Minor Technical

DESCRIPTION:

The Procedures for Internal Review are not listed.

PROPOSED RESOLUTION:

Add these.

ISSUE NUMBER UK-SD-126

AUTHOR: Julian Fowler

CLAUSE: Bibliography

CLASSIFICATION: Minor Technical

DESCRIPTION:

Surely there are more references to be added here?

PROPOSED RESOLUTION:

Tom Warren to supply?

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National Institute of Standards and Technology

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Gaithersburg, MD 20899 USA

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Email: sc4sec@cme.nist.gov

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United States

MAJOR TECHNICAL

ISSUE NUMBER: USA-SupDir-1

AUTHOR: USA

CLAUSE: 4.2.4.2.4, 9, page 19 and page 107

CLASSIFICATION: Major, Technical

DESCRIPTION: This document does not contain any details on documenting abstract test suites.

PROPOSED SOLUTION: Insert the text provided in annex D of the ATS Guidelines into these clauses. Incorporate resolution of ATS guidelines comments on that annex when including the text into the Supplementary directives.

RESOLUTION:

ISSUE NUMBER: USA-SupDir-2

AUTHOR: USA

CLAUSE: 4.1.2

CLASSIFICATION: Major Technical

DESCRIPTION: This clause does not allow for the usage of LATEX. Most of the 40 and 500 series parts are being developed in LATEX.

PROPOSED SOLUTION: Allow for usage of LATEX

RESOLUTION:

ISSUE NUMBER: USA-SupDir-3

AUTHOR: USA

CLAUSE: 5.2

CLASSIFICATION: Major Technical

DESCRIPTION: SDs state that EXPRESS identifiers shall be unique across all parts of ISO 10303.

This is not true, APs can have EXPRESS identifiers that are the same for the same type of subtype.

Another example - within different FUNCTIONS, then EXPRESS identifiers can be the same. Strike this phrase and use WG12 N324.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-4

AUTHOR: USA

CLAUSE: 6.6.1.2, 7.5.1.2, 8.8.1.5, First UN-NUMBERED NOTE and text preceding it

CLASSIFICATION: Major Technical

DESCRIPTION: Note is incorrect. Version numbers for schemas ONLY change when the schema changes.

Version numbers for schemas always start at 1.

PROPOSED SOLUTION: See description

RESOLUTION:

MINOR TECHNICAL

ISSUE NUMBER: USA-SupDir-5

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AUTHOR: USA
CLAUSE: 4.2.3.4.4, 2nd paragraph following required text, page 28
CLASSIFICATION: Minor, Technical
DESCRIPTION: this text says that part 1 must be handled differently but does not say how, why or where this difference is documented.
PROPOSED SOLUTION: Provide a reference to where this information is supplied or supply it here.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-6
AUTHOR: USA
CLAUSE: 4.3.1.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: It is unclear how to document normative references that have been corrected or amended.
PROPOSED SOLUTION: Provide guidance on how to reference standards with TCs or amendments.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-7
AUTHOR: USA
CLAUSE: 4.3.2.1, page 25
CLASSIFICATION: Minor, Technical
DESCRIPTION: In the required text for the definitions subclauses (3.1 and 3.2), the subclause number and the subclause title should appear on the same line.
PROPOSED SOLUTION: Move titles to line with subclause numbers.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-8
AUTHOR: USA
CLAUSE: 4.3.2.1, page 25
CLASSIFICATION: Minor, Technical
DESCRIPTION: In the format for the definition example (3.1.1), the term should not be followed by a colon.
PROPOSED SOLUTION: Remove the colon.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-9
AUTHOR: USA
CLAUSE: 4.3.2.4.1, required text, page 27
CLASSIFICATION: Minor, Technical
DESCRIPTION: The example does not follow the specification for annex headings.
PROPOSED SOLUTION: Correct 2nd line of heading to be 14 point, non bolded text. Also, the text line is too close to the bottom of the heading, and since "Text . . ." is not required text, it should be placed in angled brackets.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-10
AUTHOR: USA
CLAUSE: 4.3.2.4.4, required text, page 28
CLASSIFICATION: Minor, Technical

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DESCRIPTION: The font size for (normative) in the annex heading is wrong.
PROPOSED SOLUTION: Correct font size to 14 point. (This content should be in clause 4.3.2.4.3.)
RESOLUTION:

ISSUE NUMBER: USA-SupDir-11
AUTHOR: USA
CLAUSE: 4.4.1, required text, page 29
CLASSIFICATION: Minor, Technical
DESCRIPTION: The example does not follow the specification for annex headings.
PROPOSED SOLUTION: Correct 2nd line of heading to be 14 point, non bolded text.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-12
AUTHOR: USA
CLAUSE: 8.7, required text
CLASSIFICATION: Minor, Technical
DESCRIPTION: Inadequate whitespace following clause level heading.
PROPOSED SOLUTION: Increase whitespace after clause 6 heading.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-13
AUTHOR: USA
CLAUSE: 4.1.2, last para
CLASSIFICATION: Minor Technical
DESCRIPTION: The SC4 Secretariat has indicated that documents 'shall' be submitted in PDF. Additional stipulations are that a set of files should be less than 1MB that represent the entire document.
Also, the last para indicates that the 'ISO secretariat', I believe this should be the 'ISO TC184/SC4 Secretariat'
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-14
AUTHOR: USA
CLAUSE: 4.3.2.4.4
CLASSIFICATION: Minor Technical
DESCRIPTION: The [ISO 10303 required] section has version as (1) for the document. This will vary depending on the stage of the part (and if this is a 2nd or 3rd edition) part. Also need to give direction for parts that are not yet IS (prior SDs had direction).
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-15
AUTHOR: USA
CLAUSE: 5.2.2.2, 2nd para
CLASSIFICATION: Minor Technical
DESCRIPTION: Change, 'The names used within an ENUMERATION type shall be distinct ...' to 'The names used of an ENUMERATION data type shall be distinct..' Rationale, it appears that the items listed in an enumeration have to be unique, this is not true.

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PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-16
AUTHOR: USA
CLAUSE: 5.2.2.6
CLASSIFICATION: Minor Technical
DESCRIPTION: ENUMERATION types can be the same between two different APs. Please clarify.
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-17
AUTHOR: USA
CLAUSE: 6.6.2.1, 7.5.2.2, 8.8.1.5 First UNNUMBERED Note
CLASSIFICATION: Minor Technical
DESCRIPTION: SC4 Secretariat has indicated that the PL is responsible for the EXPRESS.
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-18
AUTHOR: USA
CLAUSE: Annex A
CLASSIFICATION: Minor Technical
DESCRIPTION: Comments to Reader is incorrect. The Quality Committee may NOT review a document.
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-19
AUTHOR: USA
CLAUSE: Annex B
CLASSIFICATION: Minor Technical
DESCRIPTION: This annex is incorrect for any documents that have undergone a ballot. SC4 has required a special format for ballot comments. This needs to be in the Annex.
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-20
AUTHOR: USA
CLAUSE: General
CLASSIFICATION: Minor Technical
DESCRIPTION: No way to address Technical Corrigendum. Need to identify the location of the documents for these.
PROPOSED SOLUTION: See description
RESOLUTION:

MAJOR EDITORIAL

ISSUE NUMBER: USA-SupDir-21
AUTHOR: USA
CLAUSE: 4.3.2.4.4, last paragraph, page 28

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CLASSIFICATION: Major, Editorial

DESCRIPTION: The last line of text before clause 4.4 should be moved to the parent subclause as it is talking about normative clauses in general, not documentation of them in the contents.

PROPOSED SOLUTION: Move last paragraph of 4.2.3.4.4 to be the last paragraph of 4.3.2.4

RESOLUTION:

ISSUE NUMBER: USA-SupDir-22

AUTHOR: USA

CLAUSE: 4.2.3.4.4, paragraphs 2 on, page 28

CLASSIFICATION: Major, Editorial

DESCRIPTION: Paragraph one of this clause is the only paragraph that addresses the title of the clause. All the other paragraphs but the final one should be moved to 4.2.3.4.3 as they talk about the information object registration annex.

PROPOSED SOLUTION: Move paragraphs in question from 4.2.3.4.4 to 4.2.3.4.3.

RESOLUTION:

ISSUE NUMBER: USA-SupDir-23

AUTHOR: USA

CLAUSE: Foreward and Throughout

CLASSIFICATION: Major Editorial

DESCRIPTION: The bullet items should "Look" like the documents that they are going to produce. The bullet items should be left justified. The Forward should have the next to last bullet item with a

',' at the end of the sentence.

PROPOSED SOLUTION: See Description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-24

AUTHOR: USA

CLAUSE: Title of Document

CLASSIFICATION: Major Editorial

DESCRIPTION: The last phrase should be changed from 'edition 2' to 'Second edition'. This should follow the same guidance as the standards follow.

PROPOSED SOLUTION: See Description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-25

AUTHOR: USA

CLAUSE: 4, Last para

CLASSIFICATION: Major Editorial

DESCRIPTION: The last paragraph indicates that all the parts of ISO 10303 'will' be translated. This should be 'may'.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-26

AUTHOR: USA

CLAUSE: 4.2.3.2

CLASSIFICATION: Major Editorial

DESCRIPTION: The following needs to be updated, 'ISO 10303 consists of the following parts under

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url - <http://www.nist.gov/sc4/>

the general title Industrial automation systems and integration- Product data representation and exchange.' The parts are using the URL reference to the parts, not the inclusion of the listing of the parts. This is in at least two places in this clause.

PROPOSED SOLUTION: See description.

RESOLUTION:

ISSUE NUMBER: USA-SupDir-27

AUTHOR: USA

CLAUSE: 4.3.1.1

CLASSIFICATION: Major Editorial

DESCRIPTION: In the first [ISO 10303 required section], the title of the series is missing in the title. Please add. Example on the following page has the series for the Descriptive methods.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-28

AUTHOR: USA

CLAUSE: 6.5.6, 6.5.7.1

CLASSIFICATION: Major Editorial

DESCRIPTION: Need to note that references to entities are bolded.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-29

AUTHOR: USA

CLAUSE: 6.5.7.1, Table 2 example

CLASSIFICATION: Major Editorial

DESCRIPTION: Example does not follow a lot of the direction. Attribute names are bolded, Entity name is lowercase and bolded, underlines are not to be under the colon - all locations, etc...

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-30

AUTHOR: USA

CLAUSE: 6.6.1.2, 7.5.1.2, 8.8.1.5, Last UNNUMBERED EXAMPLE

CLASSIFICATION: Major Editorial

DESCRIPTION: This is wrong. See previous comments.

PROPOSED SOLUTION: See description. Consult with WG12 Convener.

RESOLUTION:

MINOR EDITORIAL

ISSUE NUMBER: USA-SupDir-31

AUTHOR: USA

CLAUSE: Cover

CLASSIFICATION: Minor, Editorial

DESCRIPTION: The bottom line of text on the cover has an extra character immediately preceding 'USA'.

PROPOSED SOLUTION: Remove it.

RESOLUTION:

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url - <http://www.nist.gov/sc4/>

ISSUE NUMBER: USA-SupDir-32
AUTHOR: USA
CLAUSE: 1, paragraph 2, page 1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is inadequate whitespace between paragraphs one and two.
PROPOSED SOLUTION: Add more whitespace.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-33
AUTHOR: USA
CLAUSE: 2, paragraph 1, page 1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Required text does not match that specified by ISO/IEC directives part 3: 1997 (IDP3).
PROPOSED SOLUTION: Correct it.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-34
AUTHOR: USA
CLAUSE: 3, all definitions, pages 2-4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Definitions do not end with periods according to the new IDP3.
PROPOSED SOLUTION: Remove periods following each definition.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-35
AUTHOR: USA
CLAUSE: 3.1, 3.2 paragraph 1, page 2 and page 4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: ISO/IEC directives part 3: 1997 provides boilerplate for the event that definitions from other sources are repeated.
PROPOSED SOLUTION: Modify boilerplate to indicate that the definitions are repeated. I am assuming that this boilerplate is left out of clause 4 on purpose--we do not intend for 10303 parts to repeat definitions. If this is not the case, then this issue is minor technical and should result in text being added to clause 4.2.3.1. If my assumption is valid, then we should use the proper boilerplate in the standing documents. If we're worried that someone may try to repeat it in their part, add a note stating that only standing documents are to repeat definitions.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-36
AUTHOR: USA
CLAUSE: 3.2, paragraph 1, page 4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Only one term is defined here and boilerplate indicates multiple terms.
PROPOSED SOLUTION: Modify required text to be singular.
RESOLUTION:

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ISSUE NUMBER: USA-SupDir-37
AUTHOR: USA
CLAUSE: 4, paragraph 2, page 5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the description of the notation for required text, the tags are not in italics. Where required text is provided in the document, the tags are in italics.
PROPOSED SOLUTION: Change presentation of tags in this paragraph to be italicized.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-38
AUTHOR: USA
CLAUSE: 4.2.2, page 13, 8.1, page 77, and throughout
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The table of contents is no longer called table of contents in this document, but rather "Contents" with a capital C. In the ISO/IEC Directives Part 3: 1997, they refer to the table of contents as such and state that the title is "Contents".
PROPOSED SOLUTION: Refer to the table of contents as such and get rid of references to "the Contents" as that use of capitalization is inconsistent with the rest of the document. In particular the 1st sentence of 4.2.2 is strange where it says "All parts of ISO 10303 shall contain a Contents that ..."
RESOLUTION:

ISSUE NUMBER: USA-SupDir-39
AUTHOR: USA
CLAUSE: 4.2.4.2 subclause titles, pages 17-20
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The subclauses titles of 4.2.4.2 do not start with a capital letter.
PROPOSED SOLUTION: Capitalize the first word of each subclause title (4.2.4.2.1, 4.2.4.2.2, 4.2.4.2.3, 4.2.4.2.4, 4.2.4.2.5, and 4.2.4.2.6).
RESOLUTION:

ISSUE NUMBER: USA-SupDir-40
AUTHOR: USA
CLAUSE: 4.2.4.2.3, title, page 19
CLASSIFICATION: Minor, Editorial
DESCRIPTION: This subclause title is missing the first word, "Application"
PROPOSED SOLUTION: Add "Application" to the beginning of this title.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-41
AUTHOR: USA
CLAUSE: 4.3.1, title, page 20
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Only 1st word of the title should be capitalized.
PROPOSED SOLUTION: Use lowercase letters for "normative elements"
RESOLUTION:

ISSUE NUMBER: USA-SupDir-42

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AUTHOR: USA
CLAUSE: 4.3.2.3, 3rd bullet, page 27
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Improper reference to ISO/IEC Directives Part 3: 1997
PROPOSED SOLUTION: Correct reference to ISO/IEC Directives Part 3: 1997
RESOLUTION:

ISSUE NUMBER: USA-SupDir-43
AUTHOR: USA
CLAUSE: 4.3.2.1, required text for 3.1.1, page 25
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the angled brackets, 'definition' is mistyped.
PROPOSED SOLUTION: Correct spelling of definition
RESOLUTION:

ISSUE NUMBER: USA-SupDir-44
CLAUSE: 4.3.2.1, paragraph 5, page 24
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the bullet, 'definitons' is mistyped.
PROPOSED SOLUTION: Correct spelling of definition
RESOLUTION:

ISSUE NUMBER: USA-SupDir-45
AUTHOR: USA
CLAUSE: 4.5.3.2 and 4.5.4.2, 2nd paragraphs, page 35
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Subject and verb do not agree.
PROPOSED SOLUTION: Suggestion "If a clause or subclause contains" (omit s on subclauses).
RESOLUTION:

ISSUE NUMBER: USA-SupDir-46
AUTHOR: USA
CLAUSE: 5, title, page 42
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Inadequate whitespace around clause heading.
PROPOSED SOLUTION: Provide adequate whitespace for a top-level heading.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-47
AUTHOR: USA
CLAUSE: all (especially clause 8)
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In many cases the reference to the required text states "indented here to distinguish it from other text". Required text is no longer indented in this document. Its particularly prevalent in clause 8.
PROPOSED SOLUTION: Search for "indented here..." and delete that phrase where it occurs.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-48
AUTHOR: USA
CLAUSE: 8.1, Table 4, page 78

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CLASSIFICATION: Minor, Editorial
DESCRIPTION: The first two lines of the table contain typographical errors in the word include.
PROPOSED SOLUTION: Add 'e' to the end of 'includ'.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-49
AUTHOR: USA
CLAUSE: 8.4, paragraph 2, last line
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is no space between ISO and 10303.
PROPOSED SOLUTION: Insert a space.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-50
AUTHOR: USA
CLAUSE: 8.5.2, paragraph 2, page 82
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is a dangling something-or other...
PROPOSED SOLUTION: Replace "is comprised of." with "comprises." "The object comprises data elements" is ok usage.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-51
AUTHOR: USA
CLAUSE: Table of Contents
CLASSIFICATION: Minor Editorial
DESCRIPTION: The Table of Contents should 'Look' like the Table of Contents for the documents. For example, no special header for Figures or Tables.
PROPOSED SOLUTION: Change appropriately.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-52
AUTHOR: USA
CLAUSE: 4.2.3.2
CLASSIFICATION: Minor Editorial
DESCRIPTION: After [ISO 10303 required], there is a double quote. Also a double quote at the end. The double quote should not be included. Other required sections have the double quote, some don't throughout the document.
PROPOSED SOLUTION: See description.
RESOLUTION:

ISSUE NUMBER: USA-SupDir-53
AUTHOR: USA
CLAUSE: 4.2.4.2.3
CLASSIFICATION: Minor Editorial
DESCRIPTION: Title of section should be 'application protocol series', not 'protocol series'
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-54
AUTHOR: USA
CLAUSE: 4.3.1.3

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CLASSIFICATION: Minor Editorial

DESCRIPTION: The [ISO 10303 required] text has double quotes that should not be there. A couple of locations in the clause.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-55

AUTHOR: USA

CLAUSE: 4.3.2.4.1

CLASSIFICATION: Minor Editorial

DESCRIPTION: The [ISO 10303 required] section has the 'Title of Annex' and the 'Text...' without enough white space. Please rectify.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-56

AUTHOR: USA

CLAUSE: 5.1.6, Example 1 and 2

CLASSIFICATION: Minor Editorial

DESCRIPTION: The examples do not follow the direction of the previous lines. The second and third lines are to be indented.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-57

AUTHOR: USA

CLAUSE: 6.5.3, Last NOTE example.

CLASSIFICATION: Minor Editorial

DESCRIPTION: The newest IRs/AICs have a single line between each item in the schema references list (e.g., <schema_1> and <schema_2> have no extra line between them).

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-58

AUTHOR: USA

CLAUSE: 6.5.8

CLASSIFICATION: Minor Editorial

DESCRIPTION: References to rules are bolded.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-59

AUTHOR: USA

CLAUSE: 6.6.1.2, 7.5.1.2, 8.8.1.5

CLASSIFICATION: Minor Editorial

DESCRIPTION: ssss is always 10303. Change accordingly throughout section.

PROPOSED SOLUTION: See description

RESOLUTION:

ISSUE NUMBER: USA-SupDir-60

AUTHOR: USA

CLAUSE: 8.1, Table 4

CLASSIFICATION: Minor Editorial

DESCRIPTION: Table 4 does not have the correct ToC. Need to have the (informative) and

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(normative) aspects of each annex.
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-61
AUTHOR: USA
CLAUSE: Annex A
CLASSIFICATION: Minor Editorial
DESCRIPTION: The upper right hand corner of the cover page should be 'NXXX'.
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-62
AUTHOR: USA
CLAUSE: Annex A
CLASSIFICATION: Minor Editorial
DESCRIPTION: There is extra white space between the Annex title and the '(normative)'
PROPOSED SOLUTION: See description
RESOLUTION:

ISSUE NUMBER: USA-SupDir-63
AUTHOR: USA
CLAUSE: 6.5.3, pg 54
CLASSIFICATION: Minor Editorial
DESCRIPTION: The words "EXPRESS specification:" are in the wrong font.
PROPOSED SOLUTION: They need to be in Times Roman 11
RESOLUTION:

ISSUE NUMBER: USA-SupDir-64
AUTHOR: USA
CLAUSE: 6.5.7.1, pg 57-59
CLASSIFICATION: Minor Editorial
DESCRIPTION: Quotation marks missing in text preceded by "The title..."
PROPOSED SOLUTION: A search (without the quotation marks) needs to be done on "EXPRESS specification:" "Enumerated item definitions:" "Formal propositions:" "Informal propositions:" and Attribute definitions:" to make sure that they have quotation marks around them when preceded by the words "The title..."

This is correct:
The title "Formal Propositions:" shall appear followed by a blank line.

This is incorrect:
The title Formal Propositions: shall appear followed by a blank line.
RESOLUTION:

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AUTHOR: USA
CLAUSE: 4.1.7, pg 11
CLASSIFICATION: Minor Editorial
DESCRIPTION: The examples are supposed to be renumbered for each clause, the examples, You have 2 example 1's and two example 2's in clause 4.1.7.
PROPOSED SOLUTION: re-number examples in that clause
RESOLUTION:

Address reply to: ISO TC 184/SC4 Secretariat National Institute of Standards and Technology Building 220, Room A127 Gaithersburg, MD 20899 USA Phone: +1-301-975-3982 Telefax: +1-301-975-4694 Email: sc4sec@cme.nist.gov url - http://www.nist.gov/sc4/

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DESCRIPTION: The instructions and the examples imply that you indent at the 2nd level, not the first level, so all the lists in the document need to be flush left, unless there is a second level to the list.

PROPOSED SOLUTION: Please make all lists flush with left margin, if that is correct.

RESOLUTION:

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CLAUSE: clause 8.6.1 pg 90

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DESCRIPTION: The phrase "(indented here to distinguish it from other text)" is used, even though the text is not indented and this is not the convention used to distinguish the text.

PROPOSED SOLUTION: delete the phrase "(indented here to distinguish it from other text)" RESOLUTION:

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